

List of Refereed Publications
Wind Spacecraft: 2013

References

- [1] Abunin, A., M. Abunina, A. Belov, E. Eroshenko, V. Oleneva, and V. Yanke (2013), Forbush-decreases in 19th solar cycle, *J. Phys. Conf. Ser.*, 409(1), 012165, doi:10.1088/1742-6596/409/1/012165.
- [2] Agapitov, O. V., and O. K. Cheremnykh (2013), Magnetospheric ULF waves driven by external sources, *Adv. Astron. and Space Phys.*, 3, 12–19.
- [3] Agueda, N., R. Vainio, S. Dalla, D. Lario, and B. Sanahuja (2013), Current Sheet Regulation of Solar Near-relativistic Electron Injection Histories, *Astrophys. J.*, 765, 83, doi:10.1088/0004-637X/765/2/83.
- [4] Al-Haddad, N., T. Nieves-Chinchilla, N. P. Savani, C. Möstl, K. Marubashi, M. A. Hidalgo, I. I. Roussev, S. Poedts, and C. J. Farrugia (2013), Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections, *Solar Phys.*, 284, 129–149, doi:10.1007/s11207-013-0244-5.
- [5] Alexandrova, O., C. H. K. Chen, L. Sorriso-Valvo, T. S. Horbury, and S. D. Bale (2013), Solar Wind Turbulence and the Role of Ion Instabilities, *Space Sci. Rev.*, 178, 101–139, doi:10.1007/s11214-013-0004-8.
- [6] Alissandrakis, C. E., and S. Patsourakos (2013), Hot coronal loops associated with umbral brightenings, *Astron. & Astrophys.*, 556, A79, doi:10.1051/0004-6361/201321787.
- [7] Andreeva, K., E. K. J. Kilpua, H. Hietala, H. E. J. Koskinen, A. Isavnin, and R. Vainio (2013), Analysis of the substructure within a complex magnetic cloud on 3–4 September 2008, *Ann. Geophys.*, 31, 555–562, doi:10.5194/angeo-31-555-2013.
- [8] Aptekar, R. L., S. V. Golenetskii, D. D. Frederiks, E. P. Mazets, and V. D. Palshin (2013), Ioffe Institute GRB experiments: past, present and future, in *EAS Publications Series*, *EAS Publications Series*, vol. 61, edited by A. J. Castro-Tirado, J. Gorosabel, and I. H. Park, pp. 27–36, doi:10.1051/eas/1361003.
- [9] Archer, M. O., M. D. Hartinger, and T. S. Horbury (2013), Magnetospheric "magic" frequencies as magnetopause surface eigenmodes, *Geophys. Res. Lett.*, 40, 5003–5008, doi:10.1002/grl.50979.
- [10] Arnold, L., G. Li, X. Li, and Y. Yan (2013), Observation of Flux-tube Crossings in the Solar Wind, *Astrophys. J.*, 766, 2, doi:10.1088/0004-637X/766/1/2.
- [11] Aryan, H., R. J. Boynton, and S. N. Walker (2013), Analysis of trends between solar wind velocity and energetic electron fluxes at geostationary orbit using the reverse arrangement test, *J. Geophys. Res.*, 118, 636–641, doi:10.1029/2012JA018216.
- [12] Astapov, I. I., N. S. Barbashina, A. N. Dmitrieva, Y. N. Mishutina, A. A. Petrukhin, V. V. Shutenko, E. I. Yakovleva, and I. I. Yashin (2013), Study of heliospheric disturbances on the basis of cosmic ray muon flux anisotropy, *J. Phys. Conf. Ser.*, 409(1), 012196, doi:10.1088/1742-6596/409/1/012196.

List of Refereed Publications
Wind Spacecraft: 2013

- [13] Bale, S. D., M. Pulupa, C. Salem, C. H. K. Chen, and E. Quataert (2013), Electron Heat Conduction in the Solar Wind: Transition from Spitzer-Härm to the Collisionless Limit, *Astrophys. J. Lett.*, *769*, L22, doi:10.1088/2041-8205/769/2/L22.
- [14] Barbashina, N. S., I. I. Astapov, V. V. Borog, A. N. Dmitrieva, R. P. Kokoulin, K. G. Kompaniets, Y. N. Mishutina, A. A. Petrukhin, V. V. Shutenko, O. A. Sit'ko, E. I. Yakovleva, and I. I. Yashin (2013), Study of characteristics of Forbush decreases detected in 2006 - 2011 by means of muon hodoscope URAGAN, *J. Phys. Conf. Ser.*, *409*(1), 012189, doi:10.1088/1742-6596/409/1/012189.
- [15] Bemporad, A., and S. Mancuso (2013), Super- and sub-critical regions in shocks driven by radio-loud and radio-quiet CMEs, *J. Adv. Res.*, *4*, 287–291, doi:10.1016/j.jare.2012.09.005.
- [16] Berdichevsky, D. B. (2013), On Fields and Mass Constraints for the Uniform Propagation of Magnetic-Flux Ropes Undergoing Isotropic Expansion, *Solar Phys.*, *284*, 245–259, doi:10.1007/s11207-012-0176-5.
- [17] Blanco, J. J., E. Catalan, J. Medina, O. Garcia, R. Gómez-Herrero, M. A. Hidalgo, J. Rodríguez-Pacheco, and S. Sánchez (2013), Cosmic rays below 15 GeV and the current rising solar activity phase, *J. Phys. Conf. Ser.*, *409*(1), 012187, doi:10.1088/1742-6596/409/1/012187.
- [18] Bourouaine, S., D. Verscharen, B. D. G. Chandran, B. A. Maruca, and J. C. Kasper (2013), Limits on Alpha Particle Temperature Anisotropy and Differential Flow from Kinetic Instabilities: Solar Wind Observations, *Astrophys. J. Lett.*, *777*, L3, doi:10.1088/2041-8205/777/1/L3.
- [19] Boynton, R. J., M. A. Balikhin, S. A. Billings, G. D. Reeves, N. Ganushkina, M. Gedalin, O. A. Amariutei, J. E. Borovsky, and S. N. Walker (2013), The analysis of electron fluxes at geosynchronous orbit employing a NARMAX approach, *J. Geophys. Res.*, *118*, 1500–1513, doi:10.1002/jgra.50192.
- [20] Boynton, R. J., S. A. Billings, O. A. Amariutei, and I. Moiseenko (2013), The coupling between the solar wind and proton fluxes at GEO, *Ann. Geophys.*, *31*, 1631–1636, doi:10.5194/angeo-31-1631-2013.
- [21] Breneman, A. W., C. A. Cattell, K. Kersten, A. Paradise, S. Schreiner, P. J. Kellogg, K. Goetz, and L. B. Wilson (2013), STEREO and Wind observations of intense cyclotron harmonic waves at the Earth's bow shock and inside the magnetosheath, *J. Geophys. Res.*, *118*, 7654–7664, doi:10.1002/2013JA019372.
- [22] Bruno, R., and V. Carbone (2013), The Solar Wind as a Turbulence Laboratory, *Living Rev. Solar Phys.*, *10*, 2, doi:10.12942/lrsp-2013-2.
- [23] Bzheumikhova, M. A., O. Adriani, G. C. Barbarino, G. A. Bazilevskaya, R. Bellotti, M. Boezio, E. A. Bogomolov, L. Bonechi, M. Bonggi, V. Bonvicini, S. Borisov, S. Bottai, A. Bruno, F. Cafagna, D. Campana, R. Carbone, P. Carlson, M. Casolino, G. Castellini,

List of Refereed Publications
Wind Spacecraft: 2013

- L. Consiglio, M. P. De Pascale, C. De Santis, N. De Simone, V. Di Felice, A. M. Galper, W. Gillard, G. Jerse, A. V. Karelin, S. V. Koldashov, S. A. Koldobskiy, S. Y. Krutkov, A. N. Kvashnin, A. Leonov, D. S. Losev, V. Malakhov, L. Marcelli, A. G. Mayorov, W. Menn, V. V. Mikhailov, E. Mocchiutti, A. Monaco, N. Mori, N. Nikonov, G. Osteria, F. Palma, P. Papini, M. Pearce, P. Picozza, C. Pizzolotto, M. Ricci, S. B. Ricciarini, R. Sarkar, A. V. Sidorov, L. Rossetto, M. Simon, R. Sparvoli, P. Spillantini, Y. I. Stozhkov, A. A. Ulitin, A. Vacchi, E. Vannuccini, G. Vasilyev, S. A. Voronov, J. Wu, Y. T. Yurkin, G. Zampa, N. Zampa, and V. G. Zverev (2013), Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012, *J. Phys. Conf. Ser.*, 409(1), 012194, doi:10.1088/1742-6596/409/1/012194.
- [24] Bzowski, M., J. M. Sokół, M. A. Kubiak, and H. Kucharek (2013), Modulation of neutral interstellar He, Ne, O in the heliosphere. Survival probabilities and abundances at IBEX, *Astron. & Astrophys.*, 557, A50, doi:10.1051/0004-6361/201321700.
- [25] Cao, J., A. Duan, H. Reme, and I. Dandouras (2013), Relations of the energetic proton fluxes in the central plasma sheet with solar wind and geomagnetic activities, *J. Geophys. Res.*, 118, 7226–7236, doi:10.1002/2013JA019289.
- [26] Case, N. A., and J. A. Wild (2013), The location of the Earth’s magnetopause: A comparison of modeled position and in situ Cluster data, *J. Geophys. Res.*, 118, 6127–6135, doi:10.1002/jgra.50572.
- [27] Cecconi, B. (2010), Goniopolarimetric techniques for low-frequency radio astronomy in space, *ISSI Sci. Rep. Ser.*, 9, 263–277.
- [28] Chandran, B. D. G., D. Verscharen, E. Quataert, J. C. Kasper, P. A. Isenberg, and S. Bourouaine (2013), Stochastic Heating, Differential Flow, and the Alpha-to-proton Temperature Ratio in the Solar Wind, *Astrophys. J.*, 776, 45, doi:10.1088/0004-637X/776/1/45.
- [29] Chen, C. H. K., S. D. Bale, C. S. Salem, and B. A. Maruca (2013), Residual Energy Spectrum of Solar Wind Turbulence, *Astrophys. J.*, 770, 125, doi:10.1088/0004-637X/770/2/125.
- [30] Chen, N., W.-H. Ip, and D. Innes (2013), Flare-Associated Type III Radio Bursts and Dynamics of the EUV Jet from SDO/AIA and RHESSI Observations, *Astrophys. J.*, 769, 96, doi:10.1088/0004-637X/769/2/96.
- [31] Chowdhury, P., K. Kudela, and B. N. Dwivedi (2013), Heliospheric Modulation of Galactic Cosmic Rays During Solar Cycle 23, *Solar Phys.*, 286, 577–591, doi:10.1007/s11207-013-0262-3.
- [32] Claudepierre, S. G., I. R. Mann, K. Takahashi, J. F. Fennell, M. K. Hudson, J. B. Blake, J. L. Roeder, J. H. Clemmons, H. E. Spence, G. D. Reeves, D. N. Baker, H. O. Funsten, R. H. W. Friedel, M. G. Henderson, C. A. Kletzing, W. S. Kurth, R. J. MacDowall, C. W. Smith, and J. R. Wygant (2013), Van Allen Probes observation of localized drift resonance

List of Refereed Publications
Wind Spacecraft: 2013

- between poloidal mode ultra-low frequency waves and 60 keV electrons, *Geophys. Res. Lett.*, *40*, 4491–4497, doi:10.1002/grl.50901.
- [33] Clausen, L. B. N., S. E. Milan, J. B. H. Baker, J. M. Ruohoniemi, K.-H. Glassmeier, J. C. Coxon, and B. J. Anderson (2013), On the influence of open magnetic flux on substorm intensity: Ground- and space-based observations, *J. Geophys. Res.*, *118*, 2958–2969, doi:10.1002/jgra.50308.
- [34] Clausen, L. B. N., J. B. H. Baker, J. M. Ruohoniemi, S. E. Milan, J. C. Coxon, S. Wing, S. Ohtani, and B. J. Anderson (2013), Temporal and spatial dynamics of the regions 1 and 2 Birkeland currents during substorms, *J. Geophys. Res.*, *118*, 3007–3016, doi:10.1002/jgra.50288.
- [35] Cliver, E. W., I. G. Richardson, and A. G. Ling (2013), Solar Drivers of 11-yr and Long-Term Cosmic Ray Modulation, *Space Sci. Rev.*, *176*, 3–19, doi:10.1007/s11214-011-9746-3.
- [36] Clúa de Gonzalez, A. L., and W. D. Gonzalez (2013), Local-time variations of geomagnetic disturbances during intense geomagnetic storms and possible association with their interplanetary causes, *Adv. Space Res.*, *51*, 1924–1933, doi:10.1016/j.asr.2012.10.029.
- [37] Colaninno, R. C., A. Vourlidas, and C. C. Wu (2013), Quantitative comparison of methods for predicting the arrival of coronal mass ejections at Earth based on multiview imaging, *J. Geophys. Res.*, *118*, 6866–6879, doi:10.1002/2013JA019205.
- [38] Corona-Romero, P., J. A. Gonzalez-Esparza, and E. Aguilar-Rodriguez (2013), Propagation of Fast Coronal Mass Ejections and Shock Waves Associated with Type II Radio-Burst Emission: An Analytic Study, *Solar Phys.*, *285*, 391–410, doi:10.1007/s11207-012-0103-9.
- [39] Cousins, E. D. P., T. Matsuo, and A. D. Richmond (2013), Mesoscale and large-scale variability in high-latitude ionospheric convection: Dominant modes and spatial/temporal coherence, *J. Geophys. Res.*, *118*, 7895–7904, doi:10.1002/2013JA019319.
- [40] Cousins, E. D. P., T. Matsuo, and A. D. Richmond (2013), SuperDARN assimilative mapping, *J. Geophys. Res.*, *118*, 7954–7962, doi:10.1002/2013JA019321.
- [41] Debnath, D., A. Nandi, S. K. Chakrabarti, T. B. Katoch, and A. R. Rao (2012), Nature of GRBs observed by RT-2 on-board CORONAS-PHOTON satellite, in *Astronomical Society of India Conference Series, Astronomical Society of India Conference Series*, vol. 5, p. 91.
- [42] DeForest, C. E., T. A. Howard, and D. J. McComas (2013), Tracking Coronal Features from the Low Corona to Earth: A Quantitative Analysis of the 2008 December 12 Coronal Mass Ejection, *Astrophys. J.*, *769*, 43, doi:10.1088/0004-637X/769/1/43.
- [43] Dimmock, A. P., and K. Nykyri (2013), The statistical mapping of magnetosheath plasma properties based on THEMIS measurements in the magnetosheath interplanetary medium reference frame, *J. Geophys. Res.*, *118*, 4963–4976, doi:10.1002/jgra.50465.

List of Refereed Publications
Wind Spacecraft: 2013

- [44] Dudnik, O. V., and M. L. Kaiser (2013), VHF radio response of the near Earth space during solar activity growth in October, 2003, *Adv. Space Res.*, *51*, 350–355, doi:10.1016/j.asr.2012.09.015.
- [45] Egedal, J., A. Le, and W. Daughton (2013), A review of pressure anisotropy caused by electron trapping in collisionless plasma, and its implications for magnetic reconnection, *Phys. Plasmas*, *20*(6), 061,201, doi:10.1063/1.4811092.
- [46] Elliott, H. A., J.-M. Jahn, and D. J. McComas (2013), The Kp index and solar wind speed relationship: Insights for improving space weather forecasts, *Space Weather*, *11*, 339–349, doi:10.1002/swe.20053.
- [47] Farrell, W. M., A. R. Poppe, M. I. Zimmerman, J. S. Halekas, G. T. Delory, and R. M. Killen (2013), The lunar photoelectron sheath: A change in trapping efficiency during a solar storm, *J. Geophys. Res.*, *118*, 1114–1122, doi:10.1002/jgre.20086.
- [48] Farrugia, C. J., W. Yu, A. B. Galvin, B. J. Vasquez, H. Kucharek, N. Lugaz, R. B. Torbert, A. Szabo, R. P. Lin, and K. W. Ogilvie (2013), A planar, pressure-balanced, reconnecting structure embedded in a small solar wind transient, *Thirteenth International Solar Wind Conference, 1539*, 163–166, doi:10.1063/1.4811013.
- [49] Farrugia, C. J., N. V. Erkaev, V. K. Jordanova, N. Lugaz, P. E. Sandholt, S. Mühlbachler, and R. B. Torbert (2013), Features of the interaction of interplanetary coronal mass ejections/magnetic clouds with the Earth’s magnetosphere, *J. Atmos. Solar-Terr. Phys.*, *99*, 14–26, doi:10.1016/j.jastp.2012.11.014.
- [50] Firoz, K. A., W. Q. Gan, Y. P. Li, and J. Rodriguez-Pacheco (2014), On the possible mechanism of the first ground level enhancement in cosmic ray intensity of solar cycle 24, *Astrophys. Space Sci.*, *350*, 21–32, doi:10.1007/s10509-013-1729-2.
- [51] Francia, P., M. De Laetis, and M. Regi (2013), ULF fluctuations observed along the SEGMA array during very low solar wind density conditions, *Planet. Space Sci.*, *81*, 74–81, doi:10.1016/j.pss.2013.03.008.
- [52] Frederiks, D. D., K. Hurley, D. S. Svinkin, V. D. Pal’shin, V. Mangano, S. Oates, R. L. Aptekar, S. V. Golenetskii, E. P. Mazets, P. P. Oleynik, A. E. Tsvetkova, M. V. Ulanov, A. A. Kokomov, T. L. Cline, D. N. Burrows, H. A. Krimm, C. Pagani, B. Sbarufatti, M. H. Siegel, I. G. Mitrofanov, D. Golovin, M. L. Litvak, A. B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, A. Rau, X. Zhang, and J. Goldstein (2013), The Ultraluminous GRB 110918A, *Astrophys. J.*, *779*, 151, doi:10.1088/0004-637X/779/2/151.
- [53] Fung, S. F., K. Hashimoto, H. Kojima, S. A. Boardsen, L. N. Garcia, H. Matsumoto, J. L. Green, and B. W. Reinisch (2013), Terrestrial myriametric radio burst observed by IMAGE and Geotail satellites, *J. Geophys. Res.*, *118*, 1101–1111, doi:10.1002/jgra.50149.
- [54] Funsten, H. O., F. Allegrini, P. A. Bochsler, S. A. Fuselier, M. Gruntman, K. Henderson, P. H. Janzen, R. E. Johnson, B. A. Larsen, D. J. Lawrence, D. J. McComas,

List of Refereed Publications
Wind Spacecraft: 2013

- E. Möbius, D. B. Reisenfeld, D. Rodríguez, N. A. Schwadron, and P. Wurz (2013), Reflection of solar wind hydrogen from the lunar surface, *J. Geophys. Res.*, *118*, 292–305, doi:10.1002/jgre.20055.
- [55] Futaana, Y., S. Barabash, M. Wieser, C. Lue, P. Wurz, A. Vorburger, A. Bhardwaj, and K. Asamura (2013), Remote energetic neutral atom imaging of electric potential over a lunar magnetic anomaly, *Geophys. Res. Lett.*, *40*, 262–266, doi:10.1002/grl.50135.
- [56] Ganushkina, N. Y., O. A. Amariutei, Y. Y. Shprits, and M. W. Liemohn (2013), Transport of the plasma sheet electrons to the geostationary distances, *J. Geophys. Res.*, *118*, 82–98, doi:10.1029/2012JA017923.
- [57] Gogoberidze, G., S. Perri, and V. Carbone (2013), The Yaglom Law in the Expanding Solar Wind, *Astrophys. J.*, *769*, 111, doi:10.1088/0004-637X/769/2/111.
- [58] Gopalswamy, N., P. Mäkelä, H. Xie, and S. Yashiro (2013), Testing the empirical shock arrival model using quadrature observations, *Space Weather*, *11*, 661–669, doi:10.1002/2013SW000945.
- [59] Gosling, J. T., and T. D. Phan (2013), Magnetic Reconnection in the Solar Wind at Current Sheets Associated with Extremely Small Field Shear Angles, *Astrophys. J. Lett.*, *763*, L39, doi:10.1088/2041-8205/763/2/L39.
- [60] Grigorenko, E. E., H. V. Malova, A. V. Artemyev, O. V. Mingalev, E. A. Kronberg, R. Koleva, P. W. Daly, J. B. Cao, J.-A. Sauvaud, C. J. Owen, and L. M. Zelenyi (2013), Current sheet structure and kinetic properties of plasma flows during a near-Earth magnetic reconnection under the presence of a guide field, *J. Geophys. Res.*, *118*, 3265–3287, doi:10.1002/jgra.50310.
- [61] Grimes, E. W., J. D. Perez, J. Goldstein, D. J. McComas, P. Valek, and D. Turner (2013), Comparison of TWINS and THEMIS observations of proton pitch angle distributions in the ring current during the 29 May 2010 geomagnetic storm, *J. Geophys. Res.*, *118*, 4895–4905, doi:10.1002/jgra.50455.
- [62] Haaland, S., and J. Gjerloev (2013), On the relation between asymmetries in the ring current and magnetopause current, *J. Geophys. Res.*, *118*, 7593–7604, doi:10.1002/2013JA019345.
- [63] Haaser, R. A., R. Davidson, R. A. Heelis, G. D. Earle, S. Venkatraman, and J. Klenzing (2013), Storm time meridional wind perturbations in the equatorial upper thermosphere, *J. Geophys. Res.*, *118*, 2756–2764, doi:10.1002/jgra.50299.
- [64] Hajra, R., E. Echer, B. T. Tsurutani, and W. D. Gonzalez (2013), Solar cycle dependence of High-Intensity Long-Duration Continuous AE Activity (HILDCAA) events, relativistic electron predictors?, *J. Geophys. Res.*, *118*, 5626–5638, doi:10.1002/jgra.50530.
- [65] Harris, B., C. J. Farrugia, N. V. Erkaev, and R. B. Torbert (2013), Observational aspects of IMF draping-related magnetosheath accelerations for northward IMF, *Ann. Geophys.*, *31*, 1779–1789, doi:10.5194/angeo-31-1779-2013.

List of Refereed Publications
Wind Spacecraft: 2013

- [66] Hartley, D. P., M. H. Denton, J. C. Green, T. G. Onsager, J. V. Rodriguez, and H. J. Singer (2013), Case studies of the impact of high-speed solar wind streams on the electron radiation belt at geosynchronous orbit: Flux, magnetic field, and phase space density, *J. Geophys. Res.*, *118*, 6964–6979, doi:10.1002/2013JA018923.
- [67] Hietala, H., and F. Plaschke (2013), On the generation of magnetosheath high-speed jets by bow shock ripples, *J. Geophys. Res.*, *118*, 7237–7245, doi:10.1002/2013JA019172.
- [68] Honkonen, I., L. Rastätter, A. Grocott, A. Pulkkinen, M. Palmroth, J. Raeder, A. J. Ridley, and M. Wiltberger (2013), On the performance of global magnetohydrodynamic models in the Earth’s magnetosphere, *Space Weather*, *11*, 313–326, doi:10.1002/swe.20055.
- [69] Hosokawa, K., S. Taguchi, Y. Ogawa, and T. Aoki (2013), Periodicities of polar cap patches, *J. Geophys. Res.*, *118*, 447–453, doi:10.1029/2012JA018165.
- [70] Hosokawa, K., S. Taguchi, Y. Ogawa, and J. Sakai (2013), Two-dimensional direct imaging of structuring of polar cap patches, *J. Geophys. Res.*, *118*, 6536–6543, doi:10.1002/jgra.50577.
- [71] Hu, Q., C. J. Farrugia, V. A. Osherovich, C. Möstl, A. Szabo, K. W. Ogilvie, and R. P. Lepping (2013), Effect of Electron Pressure on the Grad-Shafranov Reconstruction of Interplanetary Coronal Mass Ejections, *Solar Phys.*, *284*, 275–291, doi:10.1007/s11207-013-0259-y.
- [72] Hurley, K., V. D. Pal’shin, R. L. Aptekar, S. V. Golenetskii, D. D. Frederiks, E. P. Mazets, D. S. Svinkin, M. S. Briggs, V. Connaughton, C. Meegan, J. Goldsten, W. Boynton, C. Fellows, K. Harshman, I. G. Mitrofanov, D. V. Golovin, A. S. Kozyrev, M. L. Litvak, A. B. Sanin, A. Rau, A. von Kienlin, X. Zhang, K. Yamaoka, Y. Fukazawa, Y. Hanabata, M. Ohno, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, S. Barthelmy, T. Cline, N. Gehrels, J. Cummings, H. A. Krimm, D. M. Smith, E. Del Monte, M. Feroci, and M. Marisaldi (2013), The Interplanetary Network Supplement to the Fermi GBM Catalog of Cosmic Gamma-Ray Bursts, *Astrophys. J. Suppl.*, *207*, 39, doi:10.1088/0067-0049/207/2/39.
- [73] Hwang, J., D.-Y. Lee, K.-C. Kim, D.-K. Shin, J.-H. Kim, J.-H. Cho, M.-Y. Park, and D. L. Turner (2013), Significant loss of energetic electrons at the heart of the outer radiation belt during weak magnetic storms, *J. Geophys. Res.*, *118*, 4221–4236, doi:10.1002/jgra.50410.
- [74] Iju, T., M. Tokumaru, and K. Fujiki (2013), Radial Speed Evolution of Interplanetary Coronal Mass Ejections During Solar Cycle 23, *Solar Phys.*, *288*, 331–353, doi:10.1007/s11207-013-0297-5.
- [75] Imber, S. M., S. E. Milan, and M. Lester (2013), Solar cycle variations in polar cap area measured by the superDARN radars, *J. Geophys. Res.*, *118*, 6188–6196, doi:10.1002/jgra.50509.
- [76] Isenberg, P. A., B. A. Maruca, and J. C. Kasper (2013), Self-consistent ion cyclotron anisotropy-beta relation for solar wind protons, *Thirteenth International Solar Wind Conference*, *1539*, 187–190, doi:10.1063/1.4811019.

List of Refereed Publications
Wind Spacecraft: 2013

- [77] Jackson, B. V., J. M. Clover, P. P. Hick, A. Buffington, M. M. Bisi, and M. Tokumaru (2013), Inclusion of Real-Time In-Situ Measurements into the UCSD Time-Dependent Tomography and Its Use as a Forecast Algorithm, *Solar Phys.*, *285*, 151–165, doi:10.1007/s11207-012-0102-x.
- [78] Janvier, M., P. Démoulin, and S. Dasso (2013), Global axis shape of magnetic clouds deduced from the distribution of their local axis orientation, *Astron. & Astrophys.*, *556*, A50, doi:10.1051/0004-6361/201321442.
- [79] Jaynes, A. N., M. R. Lessard, J. V. Rodriguez, E. Donovan, T. M. Loto'Aniu, and K. Rychert (2013), Pulsating auroral electron flux modulations in the equatorial magnetosphere, *J. Geophys. Res.*, *118*, 4884–4894, doi:10.1002/jgra.50434.
- [80] Jiang, J., R. H. Cameron, D. Schmitt, and M. Schüssler (2013), Can Surface Flux Transport Account for the Weak Polar Field in Cycle 23?, *Space Sci. Rev.*, *176*, 289–298, doi:10.1007/s11214-011-9783-y.
- [81] Jordan, A. P., T. J. Stubbs, C. J. Joyce, N. A. Schwadron, H. E. Spence, and J. K. Wilson (2013), The formation of molecular hydrogen from water ice in the lunar regolith by energetic charged particles, *J. Geophys. Res.*, *118*, 1257–1264, doi:10.1002/jgre.20095.
- [82] Joshi, N. C., W. Uddin, A. K. Srivastava, R. Chandra, N. Gopalswamy, P. K. Manoharan, M. J. Aschwanden, D. P. Choudhary, R. Jain, N. V. Nitta, H. Xie, S. Yashiro, S. Akiyama, P. Mäkelä, P. Kayshap, A. K. Awasthi, V. C. Dwivedi, and K. Mahalakshmi (2013), A multiwavelength study of eruptive events on January 23, 2012 associated with a major solar energetic particle event, *Adv. Space Res.*, *52*, 1–14, doi:10.1016/j.asr.2013.03.009.
- [83] Juusola, L., N. Partamies, and E. Tanskanen (2013), Effect of the ring current on preconditioning the magnetosphere for steady magnetospheric convection, *Geophys. Res. Lett.*, *40*, 1917–1921, doi:10.1002/grl.50405.
- [84] Kahler, S. W. (2013), A Comparison of Solar Energetic Particle Event Timescales with Properties of Associated Coronal Mass Ejections, *Astrophys. J.*, *769*, 110, doi:10.1088/0004-637X/769/2/110.
- [85] Kahler, S. W., and A. Vourlidas (2013), A Comparison of the Intensities and Energies of Gradual Solar Energetic Particle Events with the Dynamical Properties of Associated Coronal Mass Ejections, *Astrophys. J.*, *769*, 143, doi:10.1088/0004-637X/769/2/143.
- [86] Kartavykh, Y. Y., W. Dröge, and B. Klecker (2013), Bimodal fluxes of near-relativistic electrons during the onset of solar particle events, *J. Geophys. Res.*, *118*, 4005–4020, doi:10.1002/jgra.50446.
- [87] Kasper, J. C., B. A. Maruca, M. L. Stevens, and A. Zaslavsky (2013), Sensitive Test for Ion-Cyclotron Resonant Heating in the Solar Wind, *Phys. Rev. Lett.*, *110*(9), 091102, doi:10.1103/PhysRevLett.110.091102.

List of Refereed Publications
Wind Spacecraft: 2013

- [88] Katus, R. M., M. W. Liemohn, D. L. Gallagher, A. Ridley, and S. Zou (2013), Evidence for potential and inductive convection during intense geomagnetic events using normalized superposed epoch analysis, *J. Geophys. Res.*, *118*, 181–191, doi:10.1029/2012JA017915.
- [89] Kellerman, A. C., Y. Y. Shprits, and D. L. Turner (2013), A Geosynchronous Radiation-belt Electron Empirical Prediction (GREEP) model, *Space Weather*, *11*, 463–475, doi:10.1002/swe.20074.
- [90] Kellogg, P. J., K. Goetz, S. J. Monson, and A. Opitz (2013), Observations of transverse Z mode and parametric decay in the solar wind, *J. Geophys. Res.*, *118*, 4766–4775, doi:10.1002/jgra.50443.
- [91] Kilpua, E. K. J., A. Isavnin, A. Vourlidas, H. E. J. Koskinen, and L. Rodriguez (2013), On the relationship between interplanetary coronal mass ejections and magnetic clouds, *Ann. Geophys.*, *31*, 1251–1265, doi:10.5194/angeo-31-1251-2013.
- [92] Kilpua, E. K. J., H. Hietala, H. E. J. Koskinen, D. Fontaine, and L. Turc (2013), Magnetic field and dynamic pressure ULF fluctuations in coronal-mass-ejection-driven sheath regions, *Ann. Geophys.*, *31*, 1559–1567, doi:10.5194/angeo-31-1559-2013.
- [93] Kim, K.-C., Y. Shprits, J. Lee, and J. Hwang (2013), Empirically modeled global distribution of magnetospheric chorus amplitude using an artificial neural network, *J. Geophys. Res.*, *118*, 6243–6253, doi:10.1002/jgra.50595.
- [94] Kimura, T., L. Lamy, C. Tao, S. V. Badman, S. Kasahara, B. Cecconi, P. Zarka, A. Morioka, Y. Miyoshi, D. Maruno, Y. Kasaba, and M. Fujimoto (2013), Long-term modulations of Saturn’s auroral radio emissions by the solar wind and seasonal variations controlled by the solar ultraviolet flux, *J. Geophys. Res.*, *118*, 7019–7035, doi:10.1002/2013JA018833.
- [95] Kiyani, K. H., S. C. Chapman, F. Sahraoui, B. Hnat, O. Fauvarque, and Y. V. Khotyaintsev (2013), Enhanced Magnetic Compressibility and Isotropic Scale Invariance at Sub-ion Larmor Scales in Solar Wind Turbulence, *Astrophys. J.*, *763*, 10, doi:10.1088/0004-637X/763/1/10.
- [96] Kokubun, S. (2013), ULF waves in the outer magnetosphere: Geotail observation 1 transverse waves, *Earth, Planets, and Space*, *65*, 411–433, doi:10.5047/eps.2012.12.013.
- [97] Konovalenko, A. A., A. A. Stanislavsky, H. O. Rucker, A. Lecacheux, G. Mann, J.-L. Bougeret, M. L. Kaiser, C. Briand, P. Zarka, E. P. Abranin, V. V. Dorovsky, A. A. Koval, V. N. Mel’nik, D. V. Mukha, and M. Panchenko (2013), Synchronized observations by using the STEREO and the largest ground-based decametre radio telescope, *Exper. Astron.*, *36*, 137–154, doi:10.1007/s10686-012-9326-x.
- [98] Kouloumvakos, A., S. Patsourakos, A. Hillaris, A. Vourlidas, P. Preka-Papadema, X. Moussas, C. Caroubalos, P. Tsitsipis, and A. Kontogeorgos (2014), CME Expansion as the Driver of Metric Type II Shock Emission as Revealed by Self-consistent Analysis of High-Cadence EUV Images and Radio Spectrograms, *Solar Phys.*, *289*, 2123–2139, doi:10.1007/s11207-013-0460-z.

List of Refereed Publications
Wind Spacecraft: 2013

- [99] Koval, A., and A. Szabo (2013), Magnetic field turbulence spectra observed by the wind spacecraft, *Thirteenth International Solar Wind Conference, 1539*, 211–214, doi:10.1063/1.4811025.
- [100] Krainev, M. B., and M. S. Kalinin (2013), On the description of the 11– and 22–year cycles in the GCR intensity, *J. Phys. Conf. Ser.*, *409*(1), 012155, doi:10.1088/1742-6596/409/1/012155.
- [101] Kruparova, O., M. Maksimovic, J. Å Afránková, Z. Němeček, O. Santolik, and V. Krupar (2013), Automated interplanetary shock detection and its application to Wind observations, *J. Geophys. Res.*, *118*, 4793–4803, doi:10.1002/jgra.50468.
- [102] Kryakunova, O., I. Tsepakina, N. Nikolayevskiy, A. Malimbayev, A. Belov, A. Abunin, M. Abunina, E. Eroshenko, V. Oleneva, and V. Yanke (2013), Influence of high-speed streams from coronal holes on cosmic ray intensity in 2007, *J. Phys. Conf. Ser.*, *409*(1), 012181, doi:10.1088/1742-6596/409/1/012181.
- [103] Kwon, H.-J., K.-H. Kim, C.-W. Jun, K. Takahashi, D.-H. Lee, E. Lee, H. Jin, J. Seon, Y.-D. Park, and J. Hwang (2013), Low-latitude Pi2 pulsations during intervals of quiet geomagnetic conditions ($K_p \leq 1$), *J. Geophys. Res.*, *118*, 6145–6153, doi:10.1002/jgra.50582.
- [104] Lee, C. O., C. N. Arge, D. Odstrčil, G. Millward, V. Pizzo, J. M. Quinn, and C. J. Henney (2013), Ensemble Modeling of CME Propagation, *Solar Phys.*, *285*, 349–368, doi:10.1007/s11207-012-9980-1.
- [105] Lee, Y.-S., S. Kirkwood, G. G. Shepherd, Y.-S. Kwak, and K.-C. Kim (2013), Long-periodic strong radar echoes in the summer polar D region correlated with oscillations of high-speed solar wind streams, *Geophys. Res. Lett.*, *40*, 4160–4164, doi:10.1002/grl.50821.
- [106] Li, C., K. A. Firoz, L. P. Sun, and L. I. Miroshnichenko (2013), Electron and Proton Acceleration during the First Ground Level Enhancement Event of Solar Cycle 24, *Astrophys. J.*, *770*, 34, doi:10.1088/0004-637X/770/1/34.
- [107] Li, C., L. P. Sun, X. Y. Wang, and Y. Dai (2013), Coronal magnetic topology and the production of solar impulsive energetic electrons, *Astrophys. J.*, *556*, L2, doi:10.1051/0004-6361/201322072.
- [108] Li, H., C. Wang, and Z. Peng (2013), Solar wind impacts on growth phase duration and substorm intensity: A statistical approach, *J. Geophys. Res.*, *118*, 4270–4278, doi:10.1002/jgra.50399.
- [109] Li, K., S. Haaland, A. Eriksson, M. André, E. Engwall, Y. Wei, E. A. Kronberg, M. Fränz, P. W. Daly, H. Zhao, and Q. Y. Ren (2013), Transport of cold ions from the polar ionosphere to the plasma sheet, *J. Geophys. Res.*, *118*, 5467–5477, doi:10.1002/jgra.50518.
- [110] Liou, K., P. T. Newell, Y.-L. Zhang, and L. J. Paxton (2013), Statistical comparison of isolated and non-isolated auroral substorms, *J. Geophys. Res.*, *118*, 2466–2477, doi:10.1002/jgra.50218.

List of Refereed Publications
Wind Spacecraft: 2013

- [111] Liu, Y., L. M. Kistler, C. G. Mouikis, B. Klecker, and I. Dandouras (2013), Heavy ion effects on substorm loading and unloading in the Earth's magnetotail, *J. Geophys. Res.*, *118*, 2101–2112, doi:10.1002/jgra.50240.
- [112] Lotova, N. A., and V. N. Obridko (2013), Dependence of the solar wind speed on the coronal magnetic field in cycle 23, *Astron. Lett.*, *39*, 474–480, doi:10.1134/S1063773713070049.
- [113] Luan, X., W. Wang, J. Lei, A. Burns, X. Dou, and J. Xu (2013), Geomagnetic and auroral activity driven by corotating interaction regions during the declining phase of Solar Cycle 23, *J. Geophys. Res.*, *118*, 1255–1269, doi:10.1002/jgra.50195.
- [114] Lugaz, N., C. J. Farrugia, W. B. Manchester, IV, and N. Schwadron (2013), The Interaction of Two Coronal Mass Ejections: Influence of Relative Orientation, *Astrophys. J.*, *778*, 20, doi:10.1088/0004-637X/778/1/20.
- [115] Machol, J. L., A. A. Reinard, R. A. Viereck, and D. A. Biesecker (2013), Identification and replacement of proton-contaminated real-time ACE solar wind measurements, *Space Weather*, *11*, 434–440, doi:10.1002/swe.20070.
- [116] Malaspina, D. M., D. L. Newman, L. B. Wilson, III, K. Goetz, P. J. Kellogg, and K. Kersten (2013), Electrostatic Solitary Waves in the Solar Wind: Evidence for Instability at Solar Wind Current Sheets, *J. Geophys. Res.*, *118*, 591–599.
- [117] Mancuso, S., and M. V. Garzelli (2013), Radial profile of the inner heliospheric magnetic field as deduced from Faraday rotation observations, *Astron. & Astrophys.*, *553*, A100, doi:10.1051/0004-6361/201220319.
- [118] Mancuso, S., and M. V. Garzelli (2013), Coronal magnetic field strength from Type II radio emission: complementarity with Faraday rotation measurements, *Astron. & Astrophys.*, *560*, L1, doi:10.1051/0004-6361/201322645.
- [119] Manoj, C., S. Maus, and P. Alken (2013), Long-period prompt-penetration electric fields derived from CHAMP satellite magnetic measurements, *J. Geophys. Res.*, *118*, 5919–5930, doi:10.1002/jgra.50511.
- [120] Manuel-Hernandez, T., E. Aguilar-Rodriguez, J. A. Gonzalez-Esparza, and V. Ontiveros (2013), Speed evolution of CME/shocks using multi-spacecraft observations of type II radio bursts: A case study, *Thirteenth International Solar Wind Conference*, *1539*, 235–238, doi:10.1063/1.4811031.
- [121] Maričić, D., N. Bostasyan, M. Dumbović, A. Chilingarian, B. Mailyan, H. Rostomyan, K. Arakelyan, B. Vršnak, D. Roša, D. Hržina, I. Romštajn, and A. Veronig (2013), The Successive CME on 13th; 14th and 15th February 2011 and Forbush decrease on 18 February 2011, *J. Phys. Conf. Ser.*, *409*(1), 012158, doi:10.1088/1742-6596/409/1/012158.
- [122] Maruca, B. A., and J. C. Kasper (2013), Improved interpretation of solar wind ion measurements via high-resolution magnetic field data, *Adv. Space Res.*, *52*, 723–731, doi:10.1016/j.asr.2013.04.006.

List of Refereed Publications
Wind Spacecraft: 2013

- [123] Maruca, B. A., S. D. Bale, L. Sorriso-Valvo, J. C. Kasper, and M. L. Stevens (2013), Collisional Thermalization of Hydrogen and Helium in Solar-Wind Plasma, *Phys. Rev. Lett.*, *111*(24), 241101, doi:10.1103/PhysRevLett.111.241101.
- [124] Matsui, H., R. B. Torbert, H. E. Spence, Y. V. Khotyaintsev, and P.-A. Lindqvist (2013), Revision of empirical electric field modeling in the inner magnetosphere using Cluster data, *J. Geophys. Res.*, *118*, 4119–4134, doi:10.1002/jgra.50373.
- [125] McComas, D. J., N. Angold, H. A. Elliott, G. Livadiotis, N. A. Schwadron, R. M. Skoug, and C. W. Smith (2013), Weakest Solar Wind of the Space Age and the Current "Mini" Solar Maximum, *Astrophys. J.*, *779*, 2, doi:10.1088/0004-637X/779/1/2.
- [126] McPherron, R. L., D. N. Baker, T. I. Pulkkinen, T.-S. Hsu, J. Kissinger, and X. Chu (2013), Changes in solar wind-magnetosphere coupling with solar cycle, season, and time relative to stream interfaces, *J. Atmos. Solar-Terr. Phys.*, *99*, 1–13, doi:10.1016/j.jastp.2012.09.003.
- [127] Merkin, V. G., B. J. Anderson, J. G. Lyon, H. Korth, M. Wiltberger, and T. Motoba (2013), Global evolution of Birkeland currents on 10 min timescales: MHD simulations and observations, *J. Geophys. Res.*, *118*, 4977–4997, doi:10.1002/jgra.50466.
- [128] Mewaldt, R. A. (2013), Cosmic Rays in the Heliosphere: Requirements for Future Observations, *Space Sci. Rev.*, *176*, 365–390, doi:10.1007/s11214-012-9922-0.
- [129] Mishin, V. V., Y. Y. Klibanova, and B. Tsegmed (2013), Solar wind inhomogeneity front inclination effect on properties of front-caused long-period geomagnetic pulsations, *Cosmic Res.*, *51*, 96–107, doi:10.1134/S0010952513020020.
- [130] Mishra, W., and N. Srivastava (2013), Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO, *Astrophys. J.*, *772*, 70, doi:10.1088/0004-637X/772/1/70.
- [131] Mitchell, J. J., and S. J. Schwartz (2013), Nonlocal electron heating at the Earth's bow shock and the role of the magnetically tangent point, *J. Geophys. Res.*, *118*, 7566–7575, doi:10.1002/2013JA019226.
- [132] Miteva, R., K.-L. Klein, O. Malandraki, and G. Dorrian (2013), Solar Energetic Particle Events in the 23rd Solar Cycle: Interplanetary Magnetic Field Configuration and Statistical Relationship with Flares and CMEs, *Solar Phys.*, *282*, 579–613, doi:10.1007/s11207-012-0195-2.
- [133] Miteva, R., K.-L. Klein, S. W. Samwel, A. Nindos, A. Kouloumvakos, and H. Reid (2013), Radio Signatures of Solar Energetic Particles During the 23rd Solar Cycle, *Central European Astrophys. Bull.*, *37*, 541–553.
- [134] Miyoshi, Y., R. Kataoka, Y. Kasahara, A. Kumamoto, T. Nagai, and M. F. Thomsen (2013), High-speed solar wind with southward interplanetary magnetic field causes relativistic electron flux enhancement of the outer radiation belt via enhanced condition of whistler waves, *Geophys. Res. Lett.*, *40*, 4520–4525, doi:10.1002/grl.50916.

List of Refereed Publications
Wind Spacecraft: 2013

- [135] Mujiber Rahman, A., A. Shanmugaraju, and S. Umapathy (2013), Propagation of normal and faster CMEs in the interplanetary medium, *Adv. Space Res.*, *52*, 1168–1177, doi:10.1016/j.asr.2013.05.033.
- [136] Mujiber Rahman, A., A. Shanmugaraju, S. Umapathy, and Y.-J. Moon (2013), A statistical study on the stand-off distances of interplanetary coronal mass ejections, *J. Atmos. Solar-Terr. Phys.*, *105*, 181–190, doi:10.1016/j.jastp.2013.10.001.
- [137] Mulligan, T., A. A. Reinard, and B. J. Lynch (2013), Advancing in situ modeling of ICMEs: New techniques for new observations, *J. Geophys. Res.*, *118*, 1410–1427, doi:10.1002/jgra.50101.
- [138] Nesse TyssøY, H., J. Stadsnes, F. SørRaas, and M. SørRbø (2013), Variations in cutoff latitude during the January 2012 solar proton event and implication for the distribution of particle energy deposition, *Geophys. Res. Lett.*, *40*, 4149–4153, doi:10.1002/grl.50815.
- [139] Newell, P. T., J. W. Gjerloev, and E. J. Mitchell (2013), Space climate implications from substorm frequency, *J. Geophys. Res.*, *118*, 6254–6265, doi:10.1002/jgra.50597.
- [140] Ngwira, C. M., A. Pulkkinen, F. D. Wilder, and G. Crowley (2013), Extended study of extreme geoelectric field event scenarios for geomagnetically induced current applications, *Space Weather*, *11*, 121–131, doi:10.1002/swe.20021.
- [141] Ngwira, C. M., J. Klenzing, J. Olwendo, F. M. D’ujanga, R. Stoneback, and P. Baki (2013), A study of intense ionospheric scintillation observed during a quiet day in the East African low-latitude region, *Radio Sci.*, *48*, 396–405, doi:10.1002/rds.20045.
- [142] Nieves-Chinchilla, T., A. Vourlidas, G. Stenborg, N. P. Savani, A. Koval, A. Szabo, and L. K. Jian (2013), Inner Heliospheric Evolution of a “Stealth” CME Derived from Multi-view Imaging and Multipoint in Situ observations. I. Propagation to 1 AU, *Astrophys. J.*, *779*, 55, doi:10.1088/0004-637X/779/1/55.
- [143] Nishimura, Y., L. R. Lyons, X. Xing, V. Angelopoulos, E. F. Donovan, S. B. Mende, J. W. Bonnell, and U. Auster (2013), Tail reconnection region versus auroral activity inferred from conjugate ARTEMIS plasma sheet flow and auroral observations, *J. Geophys. Res.*, *118*, 5758–5766, doi:10.1002/jgra.50549.
- [144] Ogasawara, K., V. Angelopoulos, M. A. Dayeh, S. A. Fuselier, G. Livadiotis, D. J. McComas, and J. P. McFadden (2013), Characterizing the dayside magnetosheath using energetic neutral atoms: IBEX and THEMIS observations, *J. Geophys. Res.*, *118*, 3126–3137, doi:10.1002/jgra.50353.
- [145] Ojeda, G. A., O. Mendes, M. A. Calzadilla, and M. O. Domingues (2013), Spatio-temporal entropy analysis of the magnetic field to help magnetic cloud characterization, *J. Geophys. Res.*, *118*, 5403–5414, doi:10.1002/jgra.50504.
- [146] Opgenoorth, H. J., D. J. Andrews, M. Fränz, M. Lester, N. J. T. Edberg, D. Morgan, F. Duru, O. Witasse, and A. O. Williams (2013), Mars ionospheric response to solar wind variability, *J. Geophys. Res.*, *118*, 6558–6587, doi:10.1002/jgra.50537.

List of Refereed Publications
Wind Spacecraft: 2013

- [147] Osherovich, V., J. Fainberg, and A. Webb (2013), Observational Evidence for a Double-Helix Structure in CMEs and Magnetic Clouds, *Solar Phys.*, *284*, 261–274, doi:10.1007/s11207-013-0278-8.
- [148] Osman, K. T., W. H. Matthaeus, K. H. Kiyani, B. Hnat, and S. C. Chapman (2013), Proton Kinetic Effects and Turbulent Energy Cascade Rate in the Solar Wind, *Phys. Rev. Lett.*, *111*(20), 201101, doi:10.1103/PhysRevLett.111.201101.
- [149] Owens, M. J., and R. J. Forsyth (2013), The Heliospheric Magnetic Field, *Living Reviews in Solar Physics*, *10*, 5, doi:10.12942/lrsp-2013-5.
- [150] Owens, M. J., R. Challen, J. Methven, E. Henley, and D. R. Jackson (2013), A 27 day persistence model of near-Earth solar wind conditions: A long lead-time forecast and a benchmark for dynamical models, *Space Weather*, *11*, 225–236, doi:10.1002/swe.20040.
- [151] Pallochia, G. (2013), A sunward propagating fast wave in the magnetosheath observed after the passage of an interplanetary shock, *J. Geophys. Res.*, *118*, 331–339, doi:10.1029/2012JA017851.
- [152] Pal'shin, V. D., K. Hurley, D. S. Svinkin, R. L. Aptekar, S. V. Golenetskii, D. D. Frederiks, E. P. Mazets, P. P. Oleynik, M. V. Ulanov, T. Cline, I. G. Mitrofanov, D. V. Golovin, A. S. Kozyrev, M. L. Litvak, A. B. Sanin, W. Boynton, C. Fellows, K. Harshman, J. Trombka, T. McClanahan, R. Starr, J. Goldsten, R. Gold, A. Rau, A. von Kienlin, V. Savchenko, D. M. Smith, W. Hajdas, S. D. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, K. Yamaoka, M. Ohno, Y. Fukazawa, Y. Hanabata, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, M. S. Briggs, R. M. Kippen, C. Kouveliotou, C. Meegan, G. Fishman, V. Connaughton, M. Boër, C. Guidorzi, F. Frontera, E. Montanari, F. Rossi, M. Feroci, L. Amati, L. Nicastrò, M. Orlandini, E. Del Monte, E. Costa, I. Donnarumma, Y. Evangelista, I. Lapshov, F. Lazzarotto, L. Pacciani, M. Rapisarda, P. Soffitta, G. Di Cocco, F. Fuschino, M. Galli, C. Labanti, M. Marisaldi, J.-L. Atteia, R. Vanderspek, and G. Ricker (2013), Interplanetary Network Localizations of Konus Short Gamma-Ray Bursts, *Astrophys. J. Suppl.*, *207*, 38, doi:10.1088/0067-0049/207/2/38.
- [153] Panchenko, M., H. O. Rucker, and W. M. Farrell (2013), Periodic bursts of Jovian non-Io decametric radio emission, *Planet. Space Sci.*, *77*, 3–11, doi:10.1016/j.pss.2012.08.015.
- [154] Paouris, E. (2013), Ineffectiveness of Narrow CMEs for Cosmic Ray Modulation, *Solar Phys.*, *284*, 589–597, doi:10.1007/s11207-012-0166-7.
- [155] Partamies, N., L. Juusola, E. Tanskanen, and K. Kauristie (2013), Statistical properties of substorms during different storm and solar cycle phases, *Ann. Geophys.*, *31*, 349–358, doi:10.5194/angeo-31-349-2013.
- [156] Pietrolungo, M., S. Lepidi, L. Cafarella, and D. Di Mauro (2013), A statistical analysis of low frequency geomagnetic field pulsations at two Antarctic geomagnetic observatories in the polar cap region, *Adv. Space Res.*, *52*, 853–864, doi:10.1016/j.asr.2013.05.001.

List of Refereed Publications
Wind Spacecraft: 2013

- [157] Pitkänen, T., M. Hamrin, P. Norqvist, T. Karlsson, and H. Nilsson (2013), IMF dependence of the azimuthal direction of earthward magnetotail fast flows, *Geophys. Res. Lett.*, *40*, 5598–5604, doi:10.1002/2013GL058136.
- [158] Plaschke, F., H. Hietala, and V. Angelopoulos (2013), Anti-sunward high-speed jets in the subsolar magnetosheath, *Ann. Geophys.*, *31*, 1877–1889, doi:10.5194/angeo-31-1877-2013.
- [159] Pohjolainen, S., H. Allawi, and E. Valtonen (2013), Origin of wide-band IP type II bursts, *Astron. & Astrophys.*, *558*, A7, doi:10.1051/0004-6361/201220688.
- [160] Posch, J. L., M. J. Engebretson, A. J. Witte, D. L. Murr, M. R. Lessard, M. G. Johnsen, H. J. Singer, and M. D. Hartinger (2013), Simultaneous traveling convection vortex events and Pc1 wave bursts at cusp latitudes observed in Arctic Canada and Svalbard, *J. Geophys. Res.*, *118*, 6352–6363, doi:10.1002/jgra.50604.
- [161] Posner, A., D. Odstrčil, P. MacNeice, L. Rastaetter, C. Zeitlin, B. Heber, H. Elliott, R. A. Frahm, J. J. E. Hayes, T. T. von Rosenvinge, E. R. Christian, J. P. Andrews, R. Beaujean, S. Böttcher, D. E. Brinza, M. A. Bullock, S. Burmeister, F. A. Cucinotta, B. Ehresmann, M. Epperly, D. Grinspoon, J. Guo, D. M. Hassler, M.-H. Kim, J. Köhler, O. Kortmann, C. Martin Garcia, R. Müller-Mellin, K. Neal, S. C. R. Rafkin, G. Reitz, L. Seimetz, K. D. Smith, Y. Tyler, E. Weigle, and R. F. Wimmer-Schweingruber (2013), The Hohmann-Parker effect measured by the Mars Science Laboratory on the transfer from Earth to Mars: Consequences and opportunities, *Planet. Space Sci.*, *89*, 127–139, doi:10.1016/j.pss.2013.09.013.
- [162] Potapov, A. S., T. N. Polyushkina, and V. A. Pulyaev (2013), Observations of ULF waves in the solar corona and in the solar wind at the Earth’s orbit, *J. Atmos. Solar-Terr. Phys.*, *102*, 235–242, doi:10.1016/j.jastp.2013.06.001.
- [163] Prabin Devi, S., S. B. Singh, and A. Surjalal Sharma (2013), Deterministic dynamics of the magnetosphere: results of the 0-1 test, *Nonlin. Proc. Geophys.*, *20*, 11–18, doi:10.5194/npg-20-11-2013.
- [164] Prakash, O., A. Shanmugaraju, G. Michalek, and S. Umapathy (2014), Geoeffectiveness and flare properties of radio-loud CMEs, *Astrophys. Space Sci.*, *350*, 33–45, doi:10.1007/s10509-013-1728-3.
- [165] Prasanna Subramanian, S., and A. Shanmugaraju (2013), Study of interacting CMEs and DH type II radio bursts, *Astrophys. Space Sci.*, *344*, 305–312, doi:10.1007/s10509-012-1347-4.
- [166] Prikryl, P., R. Ghoddousi-Fard, B. S. R. Kunduri, E. G. Thomas, A. J. Coster, P. T. Jayachandran, E. Spanswick, and D. W. Danskin (2013), GPS phase scintillation and proxy index at high latitudes during a moderate geomagnetic storm, *Ann. Geophys.*, *31*, 805–816, doi:10.5194/angeo-31-805-2013.
- [167] Pulkkinen, A., L. Rastaetter, M. Kuznetsova, H. Singer, C. Balch, D. Weimer, G. Toth, A. Ridley, T. Gombosi, M. Wiltberger, J. Raeder, and R. Weigel (2013), Community-wide

List of Refereed Publications
Wind Spacecraft: 2013

- validation of geospace model ground magnetic field perturbation predictions to support model transition to operations, *Space Weather*, *11*, 369–385, doi:10.1002/swe.20056.
- [168] Pulkkinen, T. I., N. Partamies, J. Kissinger, R. L. McPherron, K.-H. Glassmeier, and C. Carlson (2013), Plasma sheet magnetic fields and flows during steady magnetospheric convection events, *J. Geophys. Res.*, *118*, 6136–6144, doi:10.1002/jgra.50574.
- [169] Qi, Y., S. Yao, J.-s. He, H. Tian, and C.-y. Tu (2013), A Statistical Study on the Reconnection in Boundary Layers of Small-scale Magnetic Flux Tubes in Solar Winds, *Chinese Astron. Astrophys.*, *37*, 163–174, doi:10.1016/j.chinastron.2013.04.005.
- [170] Quenby, J. J., T. Mulligan, J. B. Blake, and D. N. A. Shaul (2013), Diffusion Coefficients, Short-Term Cosmic Ray Modulation, and Convected Magnetic Structures, *Adv. Astron.*, *2013*, 429303, doi:10.1155/2013/429303.
- [171] Ragot, B. R. (2013), Modeling of the non-Gaussian PDFs of Field Variations and Intermittency in the Turbulent Solar Wind, *Astrophys. J.*, *765*, 97, doi:10.1088/0004-637X/765/2/97.
- [172] Rastätter, L., M. M. Kuznetsova, A. Gloer, D. Welling, X. Meng, J. Raeder, M. Wiltberger, V. K. Jordanova, Y. Yu, S. Zaharia, R. S. Weigel, S. Sazykin, R. Boynton, H. Wei, V. Eccles, W. Horton, M. L. Mays, and J. Gannon (2013), Geospace environment modeling 2008-2009 challenge: D_{st} index, *Space Weather*, *11*, 187–205, doi:10.1002/swe.20036.
- [173] Reames, D. V. (2013), The Two Sources of Solar Energetic Particles, *Space Sci. Rev.*, *175*, 53–92, doi:10.1007/s11214-013-9958-9.
- [174] Regi, M., P. Francia, M. De Lauretis, K. H. Glassmeier, and U. Villante (2013), Coherent transmission of upstream waves to polar latitudes through magnetotail lobes, *J. Geophys. Res.*, *118*, 6955–6963, doi:10.1002/2012JA018472.
- [175] Reid, H. A. S., and E. P. Kontar (2013), Evolution of the Solar Flare Energetic Electrons in the Inhomogeneous Inner Heliosphere, *Solar Phys.*, *285*, 217–232, doi:10.1007/s11207-012-0013-x.
- [176] Reisenfeld, D. B., R. C. Wiens, B. L. Barraclough, J. T. Steinberg, M. Neugebauer, J. Raines, and T. H. Zurbuchen (2013), Solar Wind Conditions and Composition During the Genesis Mission as Measured by in situ Spacecraft, *Space Sci. Rev.*, *175*, 125–164, doi:10.1007/s11214-013-9960-2.
- [177] Reistad, J. P., N. ØStgaard, K. M. Laundal, and K. Oksavik (2013), On the non-conjugacy of nightside aurora and their generator mechanisms, *J. Geophys. Res.*, *118*, 3394–3406, doi:10.1002/jgra.50300.
- [178] Richardson, I. G. (2013), Geomagnetic activity during the rising phase of solar cycle 24, *J. Space Weather Space Clim.*, *3*(27), A08, doi:10.1051/swsc/2013031.

List of Refereed Publications
Wind Spacecraft: 2013

- [179] Šafránková, J., Z. Němeček, L. Přech, G. Zastenker, I. Čermák, L. Chesalin, A. Komárek, J. Vaverka, M. Beránek, J. Pavlů, E. Gavrilova, B. Karimov, and A. Leibov (2013), Fast Solar Wind Monitor (BMSW): Description and First Results, *Space Sci. Rev.*, *175*, 165–182, doi:10.1007/s11214-013-9979-4.
- [180] Savani, N. P., A. Vourlidas, A. Pulkkinen, T. Nieves-Chinchilla, B. Lavraud, and M. J. Owens (2013), Tracking the momentum flux of a CME and quantifying its influence on geomagnetically induced currents at Earth, *Space Weather*, *11*, 245–261, doi:10.1002/swe.20038.
- [181] Schmidt, J. M., I. H. Cairns, and D. S. Hillan (2013), Prediction of Type II Solar Radio Bursts by Three-dimensional MHD Coronal Mass Ejection and Kinetic Radio Emission Simulations, *Astrophys. J. Lett.*, *773*, L30, doi:10.1088/2041-8205/773/2/L30.
- [182] Schreiner, S., C. Cattell, K. Kersten, and A. Hupach (2012), Using an Ellipsoid Model to Track and Predict the Evolution and Propagation of Coronal Mass Ejections, *Solar Phys.*, doi:10.1007/s11207-012-9936-5.
- [183] Seough, J., P. H. Yoon, K.-H. Kim, and D.-H. Lee (2013), Solar-Wind Proton Anisotropy Versus Beta Relation, *Phys. Rev. Lett.*, *110*(7), 071103, doi:10.1103/PhysRevLett.110.071103.
- [184] Sharma, R., N. Srivastava, D. Chakrabarty, C. Möstl, and Q. Hu (2013), Interplanetary and geomagnetic consequences of 5 January 2005 CMEs associated with eruptive filaments, *J. Geophys. Res.*, *118*, 3954–3967, doi:10.1002/jgra.50362.
- [185] Shen, C., G. Li, X. Kong, J. Hu, X. D. Sun, L. Ding, Y. Chen, Y. Wang, and L. Xia (2013), Compound Twin Coronal Mass Ejections in the 2012 May 17 GLE Event, *Astrophys. J.*, *763*, 114, doi:10.1088/0004-637X/763/2/114.
- [186] Shen, C., C. Liao, Y. Wang, P. Ye, and S. Wang (2013), Source Region of the Decameter-Hectometric Type II Radio Burst: Shock-Streamer Interaction Region, *Solar Phys.*, *282*, 543–552, doi:10.1007/s11207-012-0161-z.
- [187] Shi, Q. Q., M. Hartinger, V. Angelopoulos, Q.-G. Zong, X.-Z. Zhou, X.-Y. Zhou, A. Kellerman, A. M. Tian, J. Weygand, S. Y. Fu, Z. Y. Pu, J. Raeder, Y. S. Ge, Y. F. Wang, H. Zhang, and Z. H. Yao (2013), THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events, *J. Geophys. Res.*, *118*, 284–298, doi:10.1029/2012JA017984.
- [188] Shi, Q. Q., Q.-G. Zong, S. Y. Fu, M. W. Dunlop, Z. Y. Pu, G. K. Parks, Y. Wei, W. H. Li, H. Zhang, M. Nowada, Y. B. Wang, W. J. Sun, T. Xiao, H. Reme, C. Carr, A. N. Fazakerley, and E. Lucek (2013), Solar wind entry into the high-latitude terrestrial magnetosphere during geomagnetically quiet times, *Nature Communications*, *4*, 1466, doi:10.1038/ncomms2476.
- [189] Shin, D.-K., and D.-Y. Lee (2013), Determining radial boundary conditions of outer radiation belt electrons using THEMIS observations, *J. Geophys. Res.*, *118*, 2888–2896, doi:10.1002/jgra.50334.

List of Refereed Publications
Wind Spacecraft: 2013

- [190] Shue, J.-H., and J.-K. Chao (2013), The role of enhanced thermal pressure in the earthward motion of the Earth's magnetopause, *J. Geophys. Res.*, *118*, 3017–3026, doi:10.1002/jgra.50290.
- [191] Simunac, K. D. C., A. B. Galvin, C. J. Farrugia, Y. C.-M. Liu, and J. G. Luhmann (2013), Multi-spacecraft observations of the heliospheric plasma sheet, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1539, edited by G. P. Zank, J. Borovsky, R. Bruno, J. Cirtain, S. Cranmer, H. Elliott, J. Giacalone, W. Gonzalez, G. Li, E. Marsch, E. Moebius, N. Pogorelov, J. Spann, and O. Verkhoglyadova, pp. 66–69, doi:10.1063/1.4810991.
- [192] Singh, A. K., S. Mishra, and R. Singh (2013), ULF wave index as magnetospheric and space-weather parameters, *Adv. Space Res.*, *52*, 1427–1436, doi:10.1016/j.asr.2013.07.040.
- [193] Slemzin, V., L. Harra, A. Urnov, S. Kuzin, F. Goryaev, and D. Berghmans (2013), Signatures of Slow Solar Wind Streams from Active Regions in the Inner Corona, *Solar Phys.*, *286*, 157–184, doi:10.1007/s11207-012-0004-y.
- [194] Smith, C. W., N. A. Schwadron, and C. E. DeForest (2013), Decline and Recovery of the Interplanetary Magnetic Field during the Protracted Solar Minimum, *Astrophys. J.*, *775*, 59, doi:10.1088/0004-637X/775/1/59.
- [195] Smith, D. M. (2010), Hard X-ray and γ -ray detectors, *ISSI Sci. Rep. Ser.*, *9*, 345–364.
- [196] Snekvik, K., E. I. Tanskanen, and E. K. J. Kilpua (2013), An automated identification method for Alfvénic streams and their geoeffectiveness, *J. Geophys. Res.*, *118*, 5986–5998, doi:10.1002/jgra.50588.
- [197] Sokół, J. M., M. Bzowski, M. Tokumaru, K. Fujiki, and D. J. McComas (2013), Heliolatitude and Time Variations of Solar Wind Structure from in situ Measurements and Interplanetary Scintillation Observations, *Solar Phys.*, *285*, 167–200, doi:10.1007/s11207-012-9993-9.
- [198] Spencer, E., and S. Patra (2013), The effect of nonlinear ionospheric conductivity enhancement on magnetospheric substorms, *Nonlin. Proc. Geophys.*, *20*, 429–435, doi:10.5194/npg-20-429-2013.
- [199] Stefan, C., V. Dobrica, and C. Demetrescu (2013), On the Evolution of Geomagnetic Activity in the Last 300 Years. Implications Regarding Solar Wind Dynamic Pressure and Magnetopause Standoff Distance, *Sun and Geosphere*, *8*, 7–10.
- [200] Sun, L. P., and C. Li (2013), Bidirectional Fluxes of Nearly Relativistic Electrons During the Onset of Solar Energetic Particle Events, *Astrophys. J.*, *765*, 99, doi:10.1088/0004-637X/765/2/99.
- [201] Sutcliffe, P. R., B. Heilig, and S. Lotz (2013), Spectral structure of Pc3-4 pulsations: possible signatures of cavity modes, *Ann. Geophys.*, *31*, 725–743, doi:10.5194/angeo-31-725-2013.

List of Refereed Publications
Wind Spacecraft: 2013

- [202] Tan, L. C., O. E. Malandraki, D. V. Reames, C. K. Ng, L. Wang, I. Patsou, and A. Papaioannou (2013), Comparison between Path Lengths Traveled by Solar Electrons and Ions in Ground-Level Enhancement Events, *Astrophys. J.*, *768*, 68, doi:10.1088/0004-637X/768/1/68.
- [203] Tanvir, N. R., A. J. Levan, A. S. Fruchter, J. Hjorth, R. A. Hounsell, K. Wiersema, and R. L. Tunnicliffe (2013), A ‘kilonova’ associated with the short-duration γ -ray burst GRB130603B, *Nature*, *500*, 547–549, doi:10.1038/nature12505.
- [204] Telloni, D., S. Perri, R. Bruno, V. Carbone, and R. D. Amicis (2013), An Analysis of Magnetohydrodynamic Invariants of Magnetic Fluctuations within Interplanetary Flux Ropes, *Astrophys. J.*, *776*, 3, doi:10.1088/0004-637X/776/1/3.
- [205] Thomas, E. G., J. B. H. Baker, J. M. Ruohoniemi, L. B. N. Clausen, A. J. Coster, J. C. Foster, and P. J. Erickson (2013), Direct observations of the role of convection electric field in the formation of a polar tongue of ionization from storm enhanced density, *J. Geophys. Res.*, *118*, 1180–1189, doi:10.1002/jgra.50116.
- [206] Turc, L., D. Fontaine, P. Savoini, H. Hietala, and E. K. J. Kilpua (2013), A comparison of bow shock models with Cluster observations during low Alfvén Mach number magnetic clouds, *Ann. Geophys.*, *31*, 1011–1019, doi:10.5194/angeo-31-1011-2013.
- [207] Tylka, A. J., O. E. Malandraki, G. Dorrian, Y.-K. Ko, R. G. Marsden, C. K. Ng, and C. Tranquille (2013), Initial Fe/O Enhancements in Large, Gradual, Solar Energetic Particle Events: Observations from Wind and Ulysses, *Solar Phys.*, *285*, 251–267, doi:10.1007/s11207-012-0064-z.
- [208] Tziotziou, K., M. K. Georgoulis, and Y. Liu (2013), Interpreting Eruptive Behavior in NOAA AR 11158 via the Region’s Magnetic Energy and Relative-helicity Budgets, *Astrophys. J.*, *772*, 115, doi:10.1088/0004-637X/772/2/115.
- [209] Ukhorskiy, A. Y., and M. I. Sitnov (2013), Dynamics of Radiation Belt Particles, *Space Sci. Rev.*, *179*, 545–578, doi:10.1007/s11214-012-9938-5.
- [210] Vainio, R., E. Valtonen, B. Heber, O. E. Malandraki, A. Papaioannou, K.-L. Klein, A. Afanasiev, N. Agueda, H. Aurass, M. Battarbee, S. Braune, W. Dröge, U. Ganse, C. Hamadache, D. Heynderickx, K. Huttunen-Heikinmaa, J. Kiener, P. Kilian, A. Kopp, A. Kouloumvakos, S. Maisala, A. Mishev, R. Miteva, A. Nindos, T. Oittinen, O. Raukunen, E. Riihonen, R. Rodríguez-Gasén, O. Saloniemi, B. Sanahuja, R. Scherer, F. Spanier, V. Tatischeff, K. Tziotziou, I. G. Usoskin, and N. Vilmer (2013), The first SEP Server event catalogue \sim 68-MeV solar proton events observed at 1 AU in 1996-2010, *J. Space Weather Space Climate*, *3*(26), A12, doi:10.1051/swsc/2013030.
- [211] Vasanth, V., and S. Umapathy (2013), A Statistical Study on CMEs Associated with DH-Type-II Radio Bursts Based on Their Source Location (Limb and Disk Events), *Solar Phys.*, *282*, 239–247, doi:10.1007/s11207-012-0126-2.

List of Refereed Publications
Wind Spacecraft: 2013

- [212] Verkhoglyadova, O. P., B. T. Tsurutani, A. J. Mannucci, M. G. Mlynczak, L. A. Hunt, and T. Runge (2013), Variability of ionospheric TEC during solar and geomagnetic minima (2008 and 2009): external high speed stream drivers, *Ann. Geophys.*, *31*, 263–276, doi:10.5194/angeo-31-263-2013.
- [213] Verscharen, D., S. Bourouaine, B. D. G. Chandran, and B. A. Maruca (2013), A Parallel-propagating Alfvénic Ion-beam Instability in the High-beta Solar Wind, *Astrophys. J.*, *773*, 8, doi:10.1088/0004-637X/773/1/8.
- [214] Vlasova, N. A., E. A. Ginzburg, V. V. Kalegaev, I. N. Myagkova, M. I. Panasyuk, I. A. Rubinshtein, M. O. Riazantseva, P. M. Svidsky, and V. I. Tulupov (2013), Penetration of solar cosmic rays into the Earth’s magnetosphere on January 28, 2012, *Cosmic Res.*, *51*, 319–325, doi:10.1134/S0010952513050092.
- [215] Vorburger, A., P. Wurz, S. Barabash, M. Wieser, Y. Futaana, C. Lue, M. Holmström, A. Bhardwaj, M. B. Dhanya, and K. Asamura (2013), Energetic neutral atom imaging of the lunar surface, *J. Geophys. Res.*, *118*, 3937–3945, doi:10.1002/jgra.50337.
- [216] Walker, S. A., A. C. Fabian, J. S. Sanders, A. Simionescu, and Y. Tawara (2013), X-ray exploration of the outskirts of the nearby Centaurus cluster using Suzaku and Chandra, *Mon. Not. Roy. Astron. Soc.*, *432*, 554–569, doi:10.1093/mnras/stt497.
- [217] Walsh, A. P., A. N. Fazakerley, C. Forsyth, C. J. Owen, M. G. G. T. Taylor, and I. J. Rae (2013), Sources of electron pitch angle anisotropy in the magnetotail plasma sheet, *J. Geophys. Res.*, *118*, 6042–6054, doi:10.1002/jgra.50553.
- [218] Wang, C.-P., C. Yue, S. Zaharia, X. Xing, L. Lyons, V. Angelopoulos, T. Nagai, and T. Lui (2013), Empirical modeling of plasma sheet pressure and three-dimensional force-balanced magnetospheric magnetic field structure: 1. Observation, *J. Geophys. Res.*, *118*, 6154–6165, doi:10.1002/jgra.50585.
- [219] Wang, S., Q. Zong, and H. Zhang (2013), Cluster observations of hot flow anomalies with large flow deflections: 2. Bow shock geometry at HFA edges, *J. Geophys. Res.*, *118*, 418–433, doi:10.1029/2012JA018204.
- [220] Wang, S., Q. Zong, and H. Zhang (2013), Cluster observations of hot flow anomalies with large flow deflections: 1. Velocity deflections, *J. Geophys. Res.*, *118*, 732–743, doi:10.1002/jgra.50100.
- [221] Wang, X., C. Tu, J. He, E. Marsch, and L. Wang (2013), On Intermittent Turbulence Heating of the Solar Wind: Differences between Tangential and Rotational Discontinuities, *Astrophys. J. Lett.*, *772*, L14, doi:10.1088/2041-8205/772/2/L14.
- [222] Webb, D. F., C. Möstl, B. V. Jackson, M. M. Bisi, T. A. Howard, T. Mulligan, E. A. Jensen, L. K. Jian, J. A. Davies, C. A. de Koning, Y. Liu, M. Temmer, J. M. Clover, C. J. Farrugia, R. A. Harrison, N. Nitta, D. Odstrcil, S. J. Tappin, and H.-S. Yu (2013), Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010, *Solar Phys.*, *285*, 317–348, doi:10.1007/s11207-013-0260-5.

List of Refereed Publications
Wind Spacecraft: 2013

- [223] Weygand, J. M., W. H. Matthaeus, M. G. Kivelson, and S. Dasso (2013), Magnetic correlation functions in the slow and fast solar wind in the Eulerian reference frame, *J. Geophys. Res.*, *118*, 3995–4004, doi:10.1002/jgra.50398.
- [224] Wiedenbeck, M. E., G. M. Mason, C. M. S. Cohen, N. V. Nitta, R. Gómez-Herrero, and D. K. Haggerty (2013), Observations of Solar Energetic Particles from ³He-rich Events over a Wide Range of Heliographic Longitude, *Astrophys. J.*, *762*, 54, doi:10.1088/0004-637X/762/1/54.
- [225] Wilson, L. B., A. Koval, A. Szabo, A. Breneman, C. A. Cattell, K. Goetz, P. J. Kellogg, K. Kersten, J. C. Kasper, B. A. Maruca, and M. Pulupa (2013), Electromagnetic waves and electron anisotropies downstream of supercritical interplanetary shocks, *J. Geophys. Res.*, *118*, 5–16, doi:10.1029/2012JA018167.
- [226] Wilson, L. B., A. Koval, D. G. Sibeck, A. Szabo, C. A. Cattell, J. C. Kasper, B. A. Maruca, M. Pulupa, C. S. Salem, and M. Wilber (2013), Shocklets, SLAMS, and field-aligned ion beams in the terrestrial foreshock, *J. Geophys. Res.*, *118*, 957–966, doi:10.1029/2012JA018186.
- [227] Wu, P., S. Perri, K. Osman, M. Wan, W. H. Matthaeus, M. A. Shay, M. L. Goldstein, H. Karimabadi, and S. Chapman (2013), Intermittent Heating in Solar Wind and Kinetic Simulations, *Astrophys. J. Lett.*, *763*, L30, doi:10.1088/2041-8205/763/2/L30.
- [228] Xie, H., O. C. St. Cyr, N. Gopalswamy, D. Odstreil, and H. Cremades (2013), Understanding shock dynamics in the inner heliosphere with modeling and type II radio data: A statistical study, *J. Geophys. Res.*, *118*, 4711–4723, doi:10.1002/jgra.50444.
- [229] Xie, L., L. Li, Y. Zhang, and D. Zeeuw (), Three-dimensional MHD simulation of the lunar wake, *Sci. China Earth Sci.*
- [230] Yao, S., J.-S. He, C.-Y. Tu, L.-H. Wang, and E. Marsch (2013), Small-scale Pressure-balanced Structures Driven by Oblique Slow Mode Waves Measured in the Solar Wind, *Astrophys. J.*, *774*, 59, doi:10.1088/0004-637X/774/1/59.
- [231] Yao, S., J.-S. He, C.-Y. Tu, L.-H. Wang, and E. Marsch (2013), Small-scale Pressure-balanced Structures Driven by Mirror-mode Waves in the Solar Wind, *Astrophys. J.*, *776*, 94, doi:10.1088/0004-637X/776/2/94.
- [232] Yoneda, M., F. Tsuchiya, H. Misawa, B. Bonfond, C. Tao, M. Kagitani, and S. Okano (2013), Io’s volcanism controls Jupiter’s radio emissions, *Geophys. Res. Lett.*, *40*, 671–675, doi:10.1002/grl.50095.
- [233] Yoshitake, H., K. Sakai, K. Mitsuda, N. Y. Yamasaki, Y. Takei, and R. Yamamoto (2013), Long-Term Variability of the O VII Line Intensity toward the Lockman Hole Observed with Suzaku from 2006 to 2011, *Publ. Astron. Soc. Japan*, *65*, 32, doi:10.1093/pasj/65.2.32.

List of Refereed Publications
Wind Spacecraft: 2013

- [234] Yu, W., C. J. Farrugia, A. B. Galvin, K. D. C. Simunac, E. K. J. Kilpua, M. A. Popecki, C. Moestl, N. Lugaz, J. G. Luhmann, A. Opitz, and J.-A. Sauvaud (2013), Small solar wind transients: Stereo-A observations in 2009, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1539, edited by G. P. Zank, J. Borovsky, R. Bruno, J. Cirtain, S. Cranmer, H. Elliott, J. Giacalone, W. Gonzalez, G. Li, E. Marsch, E. Moebius, N. Pogorelov, J. Spann, and O. Verkhoglyadova, pp. 311–314, doi:10.1063/1.4811050.
- [235] Yue, C., Y. Nishimura, L. R. Lyons, V. Angelopoulos, E. F. Donovan, Q. Shi, Z. Yao, and J. W. Bonnell (2013), Coordinated THEMIS spacecraft and all-sky imager observations of interplanetary shock effects on plasma sheet flow bursts, poleward boundary intensifications, and streamers, *J. Geophys. Res.*, *118*, 3346–3356, doi:10.1002/jgra.50372.
- [236] Zastenker, G. N., J. Safrankova, Z. Nemecek, L. Prech, I. Cermak, I. Vaverka, A. Komarek, J. Voita, L. S. Chesalin, B. T. Karimov, Y. N. Agafonov, N. L. Borodkova, E. A. Gavrilova, T. I. Gagua, I. T. Gagua, P. A. Dalin, A. V. D'yachkov, I. V. Koloskova, A. V. Leibov, N. P. Semena, V. V. Chernov, Y. I. Markov, E. E. Ryazanova, M. O. Ryazanrtseva, N. N. Shevyrev, V. V. Chrapchenkov, O. M. Chugunova, and A. S. Yurasov (2013), Fast measurements of parameters of the Solar Wind using the BMSW instrument, *Cosmic Res.*, *51*, 78–89, doi:10.1134/S0010952513020081.
- [237] Zerbo, J.-L., C. Amory-Mazaudier, and F. Ouattara (2013), Geomagnetism during solar cycle 23: Characteristics, *J. Adv. Res.*, *4*, 265–274, doi:10.1016/j.jare.2012.08.010.
- [238] Zhang, X.-Y., M. B. Moldwin, and M. Cartwright (2013), The geo-effectiveness of interplanetary small-scale magnetic fluxropes, *J. Atmos. Solar-Terr. Phys.*, *95*, 1–14, doi:10.1016/j.jastp.2012.12.006.
- [239] Zhang, Y., L. Paxton, and H. Kil (2013), Large-scale structures in the Polar Rain, *Geophys. Res. Lett.*, *40*, 5576–5580, doi:10.1002/2013GL058245.
- [240] Zhima, Z., J. Cao, W. Liu, H. Fu, J. Yang, X. Zhang, and X. Shen (2013), DEMETER observations of high-latitude chorus waves penetrating the plasmasphere during a geomagnetic storm, *Geophys. Res. Lett.*, *40*, 5827–5832, doi:10.1002/2013GL058089.
- [241] Zhou, X., X.-Z. Zhou, V. Angelopoulos, Q. Shi, C.-P. Wang, and H. Frey (2013), Interplanetary shock-induced current sheet disturbances leading to auroral activations: THEMIS observations, *J. Geophys. Res.*, *118*, 3173–3187, doi:10.1002/jgra.50175.
- [242] Zhou, Y. F., and X. S. Feng (2013), MHD numerical study of the latitudinal deflection of coronal mass ejection, *J. Geophys. Res.*, *118*, 6007–6018, doi:10.1002/2013JA018976.